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Name	Registration Number
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Christopher P. Harris	39,334
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Assignee Name and Address:	
Northrop Grumman Corporation	
1840 Century Park East	
Los Angeles, California 90067-2199	
A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is	
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SIGNATURE of Assignee of Record  The individual whose signature and title is supplied below is authorized to act on behalf of the assignee	
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This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, user Including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent on the Information Officer of Information Officer of the Information Officer of Information Office ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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## STATEMENT UNDER 37 CFR 3.73(b) Applicant/Patent Owner: Stuart T. Linsky, Scott A. Cooper, Christopher W. Walker, Ali R. Golshan Application No./Patent No.: 09/929,464 Filed/Issue Date: 14 August 2001 Entitled: Efficient Implementation of a Decision Directed Phase Locked Loop (DD-PLL) for Use with a Short Block Code in Digital Communication Systems Northrop Grumman Corporation \_\_, a <u>corporation</u> (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.) states that it is: 1. It the assignee of the entire right, title, and interest; or 2. $\square$ an assignee of less than the entire right, title and interest. The extent (by percentage) of its ownership interest is in the patent application/patent identified above by virtue of either: A. [ ] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_, or for which a copy thereof is attached. B. [/] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below: 1, From: Stuart T. Linsky, et al. - To: TRW, Inc. The document was recorded in the United States Patent and Trademark Office at Reel 012388 Frame 0810 or for which a copy thereof is attached. To: Northrop Grumman Corporation 2. From: TRW, Inc. The document was recorded in the United States Patent and Trademark Office at \_\_\_\_, or for which a copy thereof is attached. Reel <u>013751</u>, Frame <u>0849</u> The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached. [ ] Additional documents in the chain of title are listed on a supplemental sheet. [ ] Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08] The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee. Christopher P. Harris 24 September 2004 Typed or printed name Date 216.621.2234 Signature Telephone number Attorney of Record Title

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